Details of targets and actual PLF of Thermal and Nuclear Power Stations and the availability of machines for hydro power plants for the year 2004-05 and 2006-07 are given below:

Year	Thermal		Nuclear		Hydro
	Target PLF (%)	Actual PLF (%)	Target PLF (%)	Actual PLF (%)	availability (%)
2004-05	73.4	74.8	64.8	70.7	89.85
2006-07	76.3	76.8	59.7	57.5	89.32

(c) Assessment of generation capacity is made for the year ahead, keeping in view factors like the requirement of planned maintenance, allowance for forced outages, availability of fuel, commissioning programme and stabilization period for the new generating stations etc. For the year 2007-08, a generation target of 710 Billion Unit (BU) has been approved, comprising 572.2 BU from thermal stations (76.8% Average PLF), 22.7 BU for nuclear stations (60.2% PLF), 109.5 BU for hydro stations and 5.6 BU through import from Bhutan.

Bidding for UMPPs

136. SHRIMATI SHOBHANA BHARTIA: Will the Minister of POWER be pleased to state:

(a) whether Government have set right the loopholes encountered in the bidding process for the first set of Ultra Mega Power Projects (UMPPs) and are hopefuel of putting the generation capacity addition on fast track through execution of a slew of these 4,000 MW projects;

(b) whether Government have also added yet another UMPP in the list of proposed 4,000 MW projects already being executed, thereby bringing the total to 10 projects;

(c) whether Government are hopeful to achieve the 78,579 MW power additional target in the current Five Year Plan; and

(d) if so, to what extent these steps have improved the situation?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) The bidding process for the Ultra Mega Power Projects (UMPPs) is carried out *inter-alia* on the basis of the Standard Bid Documents (SBDs), based on which project specific bidding documents are prepared. The SBDs have been amended six times since their issuance on 31st March, 2006. These amendments were issued on 18th May, 2006, 21st August, 2006, 22nd September, 2006, 31st January, 2007, 21st September, 2007 and on 12th November, 2007, keeping in view the feed back received from various stake holders and the experience gained during the course of implementation of the first set of the UMPPs.

(b) Under the UMPP initiative launched by the Ministry of Power, the Central Electricity Authority had identified nine sites in different States for setting up the UMPPs. Taking up of projects is *inter-alia* dependent upon the suitability of the site and requisite clearances being made available by the concerned State Governments. While clearances are awaited for the initially identified sites in Karnataka and Tamil Nadu, recently requests have been received from these States for examining the possibility of setting up of an additional UMPP each in these States.

(c) and (d) While the full benefits from the UMPPs will be available during the 12th Plan period, during the 11th Plan, a capacity addition of 78,577 MW has been envisaged. This

capacity is expected to be achieved since out of the above, as on 12th November, 2007, 4,380 MW has already been commissioned, and projects aggregating to 51,065 MW are currently under construction. In addition, 4,434 MW capacity from additional projects is also currently under construction. Orders for additional capacity are also expected to be placed within the next few months.

Setting up of mega hydro-electric project in Orissa

137. SHRI B.J. PANDA:
MS. PRAMILA BOHIDAR:

Will the Minister of POWER be pleased to state:

(a) whether Orissa has submitted a proposal to the NHPC, for setting up a mega hydro-electric project in the State;

(b) if so, the details thereof; and

(c) what is the time-frame within which the above project would be taken up and completed, *inter-alia*, indicating its power-generation capacity?

THE MINISTER OF POWER (SHRI SUSHIL KUMAR SHINDE): (a) National Hydroelectric Power Corporation Ltd. (NHPC) have informed that they have not received any such proposal for setting up of mega hydroelectric project in Orissa.

(b) and (c) Do not arise.

Supply of equipments for Sasan UMPP

138. SHRI TAPAN KUMAR SEN:
SHRI MOHAMMED AMIN:

Will the Minister of POWER be pleased to state:

(a) whether Bharat Heavy Electricals Ltd. and National Thermal Power Corporation had agreed to enter into an MoU for supply of Boiler and Turbo-generator equipments for Sasan UMPP;

(b) whether the price quoted by BHEL was not acceptable to NTPC; and

(c) if so, the price actually quoted by BHEL?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) NTPC Ltd. and Bharat Heavy Electricals Ltd. (BHEL) had entered into an agreement of exclusivity for the supply of Boiler and Turbo-generator equipments for Sasan UMPP.

(b) Yes, Sir. In view of the high price quoted by BHEL, NTPC Ltd. had considered the plant/ equipments cost based on the cost of similar equipments previously awarded through the process of competitive bidding process for its projects and submitted bids for 660 MW units.

(c) BHEL had quoted the following price for 5 x 800 MW (4000 MW) Sasan UMPP on Engineering Procurement & Construction (EPC) basis for undertaking design, engineering, supply, delivery to site, erection, testing and commissioning of power plant excluding Merry Go Round (MGR) system for coal handling:

> Rs. 8660.50 Crores (Rupees eight thousand six hundred sixty crores and fifty lakhs only)